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Sparkle Power Inc.
A Leading Power Supply manufacturer
Web site: www.sparklepower.com

SPI-230G

230 Watts Mini AT/ PS2 Power Supply

Product Specifications

Features

- High efficiency
- Low noise and ripple
- Output over voltage protection
- Short circuit protection on all outputs
- Resettable power shut down
- Approved by UL 1950, CSA 22.2 Level 3, TUV EN60950 CB Internal 12 VDC fan provided
- Complies with FCC part 15 subpart J class B 115 VAC operation and VDE VFG 243 class B 230 VAC operation
- 100% burn-in under high ambient temperature (50°C)
- MTBF above 50,000 hours
- 100% Hi-Pot & ATE tested

Input Characteristics

- Voltage: 90-132 VAC or 180-264 VAC switchable
- Frequency: 48 Hz to 63 Hz

Specification

- Temperature range: Operating 0°C ~ 50°C; Non-operating: -20°C ~ 80°C
- Temperature coefficient: 0.01%°C
- Transient response: Output voltage returns in less than 1 ms max. following a 25% load change
- Hold up time: 16ms minimum at full load & nominal input voltage
- Dielectric withstand: Input/output 1800 VAC for 1 second input to frame ground 1800 VAC for 1 second
- Humidity: 5~95% RH
- Efficiency: 65% Min., 70% typical, at full load
- Power good signal: On delay 100 ms to 500 ms, off delay 1ms
- Overload protection: 150% Max
- Over voltage protection: +5V output: 6V±0.5V

Output Charteristics

Output Voltage	Minimum Load	Maximum Load	Load Reg.	Line Reg.	Ripple & Noise
+5V	3.0 A	23 A	± 5%	± 1%	50 mV P-P
+12V	0.2 A	9.0 A	± 5%	± 1%	120 mV P-P
-5V	0.0A	0.5 A	± 10%	± 2%	150 mV P-P
-12V	0.0A	0.5 A	± 10%	± 2%	150 mV P-P

Dimensions (WxHxL): 150 x 86 x 140 (mm)/ 5.9” x 3.4” x 5.5”

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